

# **Project Report: EPL Player Performance Analysis**

## **Introduction**

This project focuses on analyzing player performance data from the English Premier League (EPL). The goal is to explore metrics such as goals, assists, passes, and more, to derive actionable insights on individual and team-level performance.

## **Tools & Technologies Used**

- Python
- Pandas
- Matplotlib
- Seaborn
- Jupyter Notebook

## **Steps Involved**

1. Loaded the EPL dataset using Pandas.
2. Inspected and cleaned the data.
3. Conducted statistical analysis and visualized metrics.
4. Identified trends in goals, assists, age, and playing position.
5. Generated visual insights for better understanding of performance.

## **Key Insights**

- Top scorers and assist providers were clearly highlighted.
- Correlations found between age and contributions.

## **Project Report: EPL Player Performance Analysis**

- Teams with higher assists also showed better scoring consistency.

### **Conclusion**

This EPL data analysis project showcased how sports statistics can be turned into meaningful insights using Python tools. The project reflects key skills in data cleaning, visualization, and storytelling. Such analysis can be valuable for coaches, analysts, and fans looking to evaluate player impact.